

**WHAT IS CLAIMED IS:**

1. A reconfigurable self-contained grill and fuel lighting device, comprising:
  - a grill housing, the grill housing including at least a first side portion, a bottom portion, and a second side portion, and at least a first hingeable coupling and a second hingeable coupling, the first hingeable coupling attaching the first side portion to the bottom portion, and the second hingeable coupling attaching the bottom portion to the second side portion;
  - at least one handle adjustably attached to the grill housing; and
- 10        at least one extendable leg attached to the grill housing for supporting the grill;
  - wherein the grill housing is reconfigurable via at least the first hingeable coupling and the second hingeable coupling into a first grill configuration, wherein, in the first position, the first side portion, the bottom portion, and the second side portion closeably form an enclosure, the enclosure enhancing fuel ignition; and
  - 15        wherein the grill housing is reconfigurable via at least the first hingeable coupling and the second hingeable coupling to a second grill configuration, wherein the first side portion, the bottom portion, and the second side portion form a structure having an open top.
- 20        2. The grill and fuel lighting device of claim 1, wherein the first side portion, the bottom portion, and the second side portion form a three-sided enclosure in the first grill configuration.

3. The grill and fuel lighting device of claim 1, wherein the grill housing is reconfigurable via at least the first hingeable coupling and the second hingeable coupling into a third grill configuration, wherein at least the first side portion and the bottom portion overlap into a thin profile.

5       4. The grill and fuel lighting device of claim 1, wherein the bottom portion further includes a first bottom section and a second bottom section.

5. The grill and fuel lighting device of claim 4, wherein the first side portion, the first bottom section, the second bottom section, and the second side portion form a four-sided enclosure in the first grill configuration.

10      6. The grill and fuel lighting device of claim 4, wherein the first bottom section and the second bottom section are lockably held in coplanar alignment in the second grill configuration.

7. The grill and fuel lighting device of claim 6, wherein the first bottom section and the second bottom section are lockably held in coplanar alingment via a catch in the second grill configuration.

15      8. The grill and fuel lighting device of claim 1, further comprising a separable grill surface, the separable grill surface being attachable to the grill housing in the second position.

9. The grill and fuel lighting device of claim 1, further comprising at least one opening in at least one of the first side portion, the bottom portion, and the second side portion, the at least one opening for facilitating lighting of fuel placed in the grill housing in the first position.

10. The grill and fuel lighting device of claim 1, further comprising a moveable fuel lighting rack, the moveable fuel lighting rack being moveable to support contained fuel within the enclosure of the first grill configuration.

11. The grill and fuel lighting device of claim 10, wherein the moveable  
5 fuel lighting rack moves to a second position upon the grill housing being reconfigured to the second grill configuration.

12. The grill and fuel lighting device of claim 10, further comprising at least one bracket for supporting the moveable fuel lighting rack upon the moveable fuel lighting rack being moved to support contained fuel within the enclosure of the  
10 first grill configuration.

13. The grill and fuel lighting device of claim 1, further comprising a bottom grill rack for supporting fuel when the grill housing is reconfigured to the second grill configuration.

14. The grill and fuel lighting device of claim 13, further comprising a moveable fuel lighting rack, the moveable fuel lighting rack being moveable to support contained fuel within the enclosure of the first grill configuration; wherein the moveable fuel lighting rack moves to a second position upon the grill housing being reconfigured to the second grill configuration; and wherein upon moving of the moveable fuel lighting rack to the second position, the contained fuel supported  
20 by the fuel lighting rack is swept onto the bottom portion.

15. A reconfigurable self-contained grill and fuel lighting device, comprising:

a first grill housing side;

a grill housing bottom coupled to the first grill housing side via a first pivotable coupling;

a second grill housing side coupled to the grill housing bottom via a second pivotable coupling; and

5 a location fixing device for fixably positioning the first grill housing side, second grill housing side, and the grill housing bottom in at least one position; wherein the device is reconfigurable via the first pivotable coupling and the second pivotable coupling into a first configuration, wherein, in the first configuration, the first grill housing side, the second grill housing side, and the grill

10 housing bottom closeably form an enclosure, the enclosure enhancing ignition of fuel placed within the enclosure; and

wherein the device is reconfigurable via the first pivotable coupling and the second pivotable coupling to a second configuration, wherein the first grill housing side, the second grill housing side, and the grill housing bottom form a structure

15 having an open top for grilling.

16. A method for configuring and reconfiguring a self-contained grill and fuel lighting device, the grill and fuel lighting device comprising a first grill housing side; a grill housing bottom coupled to the first grill housing side via a first pivotable coupling; a second grill housing side coupled to the grill housing bottom via a second pivotable coupling; and a location fixing device for fixably positioning the first grill housing side, second grill housing side, and the grill

20 housing bottom in at least one position; the method comprising:

configuring the grill and fuel lighting device in a first configuration,  
configuring in the first configuration including:  
    moving the first side to a first configuration first side position via  
    the first pivotable coupling; and  
5      moving the second side to a first configuration second side position  
    via the second pivotable coupling;  
    wherein, in the first configuration, the first side, the second side,  
    and the bottom closeably form an enclosure, the enclosure enhancing  
    ignition of fuel placed within the enclosure; and  
10     reconfiguring the grill and fuel lighting device via the first pivotable  
    coupling and the second pivotable coupling to a second configuration,  
    reconfiguring to the second configuration including:  
        moving the first side to a second configuration first side position via  
        the first pivotable coupling; and  
15     moving the second side to a second configuration second side  
        position via the second pivotable coupling;  
        wherein the first side, the second side, and the bottom form a three  
        sided structure having an open top for grilling.  
17. A reconfigurable fuel lighting device, comprising:  
20     a housing, the housing including a first side having a first hinge coupling to  
    a second side, the second side having a second hinge coupling to a third side, and  
    the third side having a third hinge coupling to a fourth side;  
    at least one handle adjustably attached to the housing; and

a positionable rack for holding fuel;

wherein the housing is reconfigurable via the first hinge coupling, the second hinge coupling, and the third hinge coupling into a first configuration, wherein, in the first position, the first side, the second side, the third side, and the fourth side closeably form an enclosure, the enclosure enhancing ignition of the fuel; and

wherein the housing is reconfigurable via the first hinge coupling, the second hinge coupling, the third hinge coupling to a second configuration, wherein the first side, the second side, the third side, and the fourth side are generally parallel, the second configuration having a thin profile.

18. The fuel lighting device of claim 17, wherein the rack is positionable on attached leg.

19. The fuel lighting device of claim 18, wherein the attached leg is pivotably coupled to the rack.

15           20. The fuel lighting device of claim 17, further comprising at least one  
opening in at least one of the first side, the second side, the third side, and the  
fourth side, the at least one opening for facilitating lighting of the fuel placed in the  
housing when configured in the first position.

21. The fuel lighting device of claim 17, wherein the rack is moveable to  
support contained fuel within the enclosure of the first configuration.  
20

22. The fuel lighting device of claim 21, wherein the rack is positionable via a rack hinge coupling.

23. A reconfigurable fuel lighting device, comprising:

a first housing side;

a rack coupled to the first housing side via a first pivotable coupling;

a second housing side coupled to the first housing side via a second pivotable coupling;

5 a third housing side coupled to the second housing side via a third pivotable coupling;

a fourth housing side coupled to the third housing side via a third pivotable coupling; and

a location fixing device for fixably positioning the first housing side, the second housing side, the third housing side, and the fourth housing side in at least one position;

10 wherein the device is reconfigurable via the first pivotable coupling, the second pivotable coupling, the third pivotable coupling, and the fourth pivotable coupling into a first configuration, wherein, in the first configuration, the first housing side, the second housing side, the third housing side, and the fourth housing side closeably form an enclosure, the enclosure enhancing ignition of fuel placed within the enclosure; and

15 wherein the device is reconfigurable via the first pivotable coupling, the second pivotable coupling, the third pivotable coupling, and the fourth pivotable coupling to a second configuration, wherein the first grill side, the second housing side, the third housing side, and the fourth housing side are generally parallel, such that the device has a thin profile.

24. A method for configuring and reconfiguring a fuel lighting device, the  
fuel lighting device comprising a first housing side; a second housing side coupled  
to the first housing side via a first pivotable coupling; a third housing side coupled  
to the second housing side via a second pivotable coupling; a fourth housing side  
coupled to the third housing side via a third pivotable coupling; and a rack coupled  
5 to at least one of the first housing side, the second housing side, the third housing  
side, and the fourth housing side via a fourth pivotable coupling; the method  
comprising:

configuring the fuel lighting device in a first configuration, configuring in  
10 the first configuration including:  
moving the first side and the second side to a first configuration first  
side position via the first pivotable coupling;  
moving the third side to a first configuration third side position via  
the second pivotable coupling;  
15 moving the fourth side to a first configuration fourth side position  
via the third pivotable coupling; and  
moving the rack to a first configuration rack position via the fourth  
pivotable coupling;  
wherein, in the first configuration, the first side, the second side, the third  
20 side, and the fourth side closeably form an enclosure bounding the rack, the  
enclosure enhancing ignition of fuel placed within the enclosure; and  
wherein the fuel lighting device is reconfigurable via the first pivotable  
coupling the second pivotable coupling, the third pivotable coupling, and the fourth

pivotal coupling to a second configuration wherein the first side, the second side, the third side, the fourth side, and the rack are generally parallel, the device thereby having a generally thin profile.

25. A reconfigurable fuel lighting device attachable to a grill device, the  
5 reconfigurable fuel lighting device including:

an ignition containment housing, the ignition containment housing having at least three sides and a bottom, the ignition containment housing being suspendable from the grill device, the grill device having at least three grill sides and a grill bottom;

10 a rack for holding fuel, the rack being positionable above the ignition containment housing; and

at least one door portion, the at least one door portion being arrangeable into at least two positions;

15 wherein in a first one of the at least two positions, the at least one door portion is arranged in conjunction with at least two of the grill sides so as to form an enclosure, the enclosure including the rack, such that fuel is placeable within the enclosure above the rack and above the ignition containment housing.

26. The reconfigurable fuel lighting device of claim 25, wherein in a second one of the at least two positions, the at least one door portion is placed such 20 that no enclosure is formed via the at least one door portion.

27. The reconfigurable fuel lighting device of claim 25, wherein the grill device has four grill sides.

28. The reconfigurable fuel lighting device of claim 25, wherein the

ignition containment housing has four sides.

29. The reconfigurable fuel lighting device of claim 25, wherein the at least one door portion includes a first door and a second door.

30. The reconfigurable fuel lighting device of claim 29, wherein the first 5 door is pivotably attached to the grill bottom.

31. The reconfigurable fuel lighting device of claim 30, wherein the second door is pivotably attached to the first door.

32. The reconfigurable fuel lighting device of claim 31, wherein, in the first one of the at least two positions, the second door is attached to one of the at 10 least three grill sides.

33. The reconfigurable fuel lighting device of claim 32, wherein, in the first one of the at least two positions, the second door is attached to one of the at least three grill sides via a pin.

34. The reconfigurable fuel lighting device of claim 25, wherein the rack is 15 pivotably attached to the grill bottom.

35. The reconfigurable fuel lighting device of claim 25, wherein the ignition containment housing has at least one opening for enhancing lighting of ignition material placed within the ignition containment housing.